

PATENT
Attorney Docket No. 2050505

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Merton Hahne et al

For: TOW BAR HAVING A SINGLE MOVING PART FOR OPERATIVELY
ACCOMMODATING PITCH AND ROLL MOVEMENTS BETWEEN
A TOWING VEHICLE AND A TOWED VEHICLE

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Applicant is aware of the following references listed on the attached PTO-1449, copies of
which are enclosed:

U. S. Patents

<u>Patent No.</u>	<u>Inventor(s)</u>	<u>Issue Date</u>
1,185,435	Powell	May 1916
1,229,465	Hudson	Jun 1917
1,422,129	Reuse	Jul 1922
1,557,841	Holmes	Oct 1925
1,730,077	Isachsen	Oct 1929
2,027,499	Tully	Jan 1936
2,071,883	Hodny	Feb 1937
2,120,422	Williams et al	Jun 1938
2,133,065	Weber	Oct 1938
2,139,970	Moore	Dec 1938
2,440,877	Russell	May 1948
2,457,885	Gatch	Jan 1949
2,486,483	Landen	Nov 1949
2,522,793	Koeckritz	Sep 1950
2,664,300	Danielson et al	Dec 1953
2,746,771	Gross	May 1956
2,795,435	Ortiz et al	Jun 1957
2,871,030	Hollis	Jan 1959

PATENT
Attorney Docket No. 2050505

2,916,301	Cushman	Dec	1959
3,000,652	Hawkins	Sep	1961
3,019,033	Wegener et al	Jan	1962
3,281,162	Carson	Oct	1966
3,384,391	Batke	May	1968
3,492,022	Hansen	Jan	1970
3,572,765	Tieben	Mar	1971
3,649,048	Garnett	Mar	1972
3,679,231	Derr, Jr.	Jul	1972
3,730,557	Cox	May	1973
3,740,074	Coil	Jun	1973
3,794,355	Cracolice	Feb	1974
3,806,162	Milner	Apr	1974
3,829,131	Moore, Jr.	Aug	1974
3,843,164	Flegel	Oct	1974
3,848,890	MacAlpine	Nov	1974
3,938,830	Lane	Feb	1976
3,947,062	Pierce	Mar	1976
3,998,471	Lutchemeyer	Dec	1976
4,073,508	George et al	Feb	1978
4,200,306	Helms	Apr	1980
4,326,730	Tomen	Apr	1982
4,548,423	Craven	Oct	1985
4,588,199	Fisher	May	1986
4,603,874	Merrill	Aug	1986
4,640,523	Wolmarans	Feb	1987
4,711,461	Fromberg	Dec	1987
4,714,264	Woestelandt	Dec	1987
4,727,949	Rea et al	Mar	1988
4,768,803	Hewitt et al	Sep	1988
4,856,805	Davis	Aug	1989
4,861,061	Frantz	Aug	1989
4,869,521	Johnson	Sep	1989
5,000,473	Johnson	Mar	1991
5,071,153	Duncan	Dec	1991
5,088,754	Skelton	Feb	1992
5,112,074	Smith	May	1992
5,186,483	Sheppard	Feb	1993
5,224,960	Duncan	Jul	1993
5,232,240	Johnson	Aug	1993
5,308,100	Heider et al	May	1994
5,316,330	Bergeron	May	1994

PATENT
Attorney Docket No. 2050505

5,346,243	Boeck	Sep	1994
5,356,166	Hahne et al	Oct	1994
5,516,140	Hinte	May	1996
RE35,482	Johnson	Mar	1997
5,765,851	Parent	Jun	1998
5,873,595	Hinte	Feb	1999
5,909,887	Hobrath	Jun	1999
6,168,182 B1	Ford	Jan	2001
6,502,847 B1	Greaves	Jan	2003
6,612,604 B2	Greaves	Sep	2003

Foreign Patents

<u>Patent No.</u>	<u>Country</u>	<u>Date</u>
844,457	Canada	July 1970
1,171,112	Canada	July 1974
153,309	Sweden	Jan 1952
269,114	U.S.S.R.	Jan 1971
725,339	United Kingdom	March 1955

The above-listed references are, in the belief and opinion of the undersigned, the closest art of which the applicant is aware as of the date of execution of the Declaration in the above-captioned application.

Respectfully submitted,

MERTON HAHNE et al

May 5, 2004

Date



Donald R. Schoonover, Reg. No. 34,924
4211 Rolling Hills Drive
Nixa, Missouri 65714
Telephone: (417)724-2188
Fax: (417)724-2469

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 2050505	SERIAL NO.
LIST OF PRIOR ART CITED BY APPLICANT			APPLICANT Merton Hahne et al	
			FILING DATE	GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	AA	1,185,435	05-1916	Powell			
	AB	1,229,465	06-1917	Hudson			
	AC	1,422,129	07-1922	Reuse			
	AD	1,557,841	10-1925	Holmes			
	AE	1,730,077	10-1929	Isachsen			
	AF	2,027,499	01-1936	Tully	280	33.44	
	AG	2,071,883	02-1937	Hodny	88	98	
	AH	2,120,422	06-1938	Williams et al	280	33.44	
	AI	2,133,065	10-1938	Weber	280	33.15	
	AJ	2,139,970	12-1938	Moore	280	33.44	
	AK	2,440,877	05-1948	Russell	280	33.14	
	AL	2,457,885	01-1949	Gatch	280	33.15	
	AM	2,486,483	11-1949	Landen	55	84	
	AN	2,522,793	09-1950	Koeckritz	280	33.55	
	AO	2,664,300	12-1953	Danielson et al	280	486	
	AP	2,746,771	05-1956	Gross	280	494	
	AQ	2,795,435	06-1957	Ortiz et al	280	446	
	AR	2,871,030	01-1959	Hollis	280	492	
	AS	2,916,301	12-1959	Cushman	280	491	
	AT	3,000,652	09-1961	Hawkins	280	406	
	AU	3,019,033	01-1962	Wegener et al	280	482	
	AV	3,281,162	10-1966	Carson	280	478	
	AW	3,384,391	05-1968	Batke	280	478	
	AX	3,492,022	01-1970	Hansen	280	478	
	AY	3,572,765	03-1971	Tieben	280	491	
	AZ	3,649,048	03-1972	Garnett	280	477	

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 2040404	SERIAL NO.
				APPLICANT Donald R. Schoonover	
		LIST OF PRIOR ART CITED BY APPLICANT		FILING DATE	GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	BA	3,679,231	07-1972	Derr, Jr.	280	406A	
	BB	3,730,557	05-1973	Cox	280	504	
	BC	3,740,074	06-1973	Coil	280	402	
	BD	3,794,355	02-1974	Cracolice	280	482	
	BE	3,806,162	04-1974	Milner	280	502	
	BF	3,829,131	08-1974	Moore, Jr.	280	493	
	BG	3,843,164	10-1974	Flegel	280	492	
	BH	3,848,890	11-1974	MacAlpine	280	204	
	BI	3,938,830	02-1976	Lane	280	493	
	BJ	3,947,062	03-1976	Pierce	293	69R	
	BK	3,998,471	12-1976	Lutchemeyer	280	492	
	BL	4,073,508	02-1978	George et al	280	478R	
	BM	4,200,306	04-1980	Helms	280	494	
	BN	4,326,730	04-1982	Tomen	280	502	
	BO	4,548,423	10-1985	Craven	280	492	
	BP	4,588,199	05-1986	Fisher	280	204	
	BQ	4,603,874	08-1986	Merrill	280	402	
	BR	4,640,523	02-1987	Wolmarans	280	491D	
	BS	4,711,461	12-1987	Fromberg	280	494	
	BT	4,714,264	12-1987	Woestelandt	280	456R	
	BU	4,727,949	03-1988	Rea et al	180	9.32	
	BV	4,768,803	09-1988	Hewitt et al	280	462	
	BW	4,856,805	08-1989	Davis	280	491.4	
	BX	4,861,061	08-1989	Frantz	280	479.2	
	BY	4,869,521	09-1989	Johnson	280	491.1	
	BZ	5,000,473	03-1991	Johnson	280	491.1	

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 2040404	SERIAL NO.
				APPLICANT Donald R. Schoonover	
				FILING DATE	GROUP
LIST OF PRIOR ART CITED BY APPLICANT					

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	CA	5,071,153	12-1991	Duncan	280	491.4	
	CB	5,088,754	02-1992	Skelton	280	491.3	
	CC	5,112,074	05-1992	Smith	280	483	
	CD	5,186,483	02-1993	Sheppard	280	494	
	CE	5,224,960	07-1993	Duncan	280	491.4	
	CF	5,232,240	08-1993	Johnson	280	491.5	
	CG	5,308,100	05-1994	Heider et al	280	474	
	CH	5,316,330	05-1994	Bergeron	280	477	
	CI	5,346,243	09-1994	Boeck	280	478.1	
	CJ	5,356,166	10-1994	Hahne et al	280	491.4	
	CK	5,516,140	05-1996	Hinte	280	494	
	CL	RE35,482	03-1997	Johnson	280	491.5	
	CM	5,765,851	06-1998	Parent	280	491.4	
	CN	5,873,595	02-1999	Hinte	280	504	
	CO	5,909,887	06-1999	Hobrath	280	32.7	
	CP	6,168,182 B1	01-2001	Ford	280	494	
	CQ	6,502,847 B1	01-2003	Greaves	280	494	
	CR	6,612,604 B2	09-2003	Greaves	280	494	
	CS						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	DA	844,457	07-1970	Canada	280	42	
	DB	1,171,112	07-1974	Canada	280	141	
	DC	153,309	01-1952	Sweden			
	DD	269,114	01-1971	U.S.S.R.	280	491.4	
	DE	725,339	03-1955	United Kingdom			

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.